

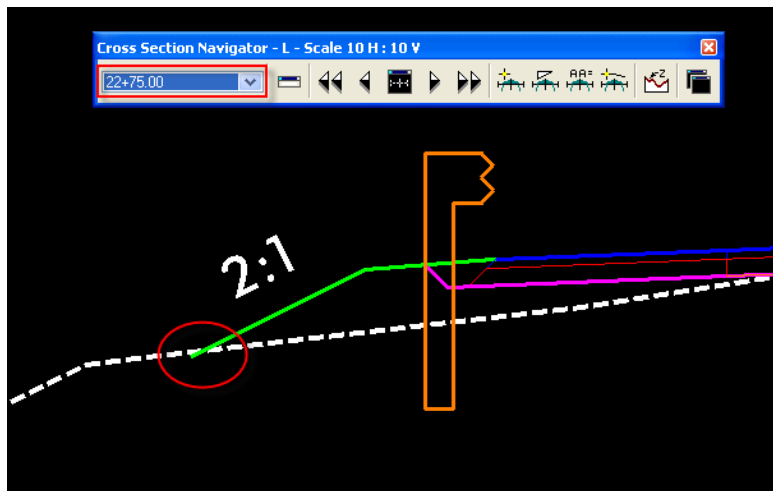
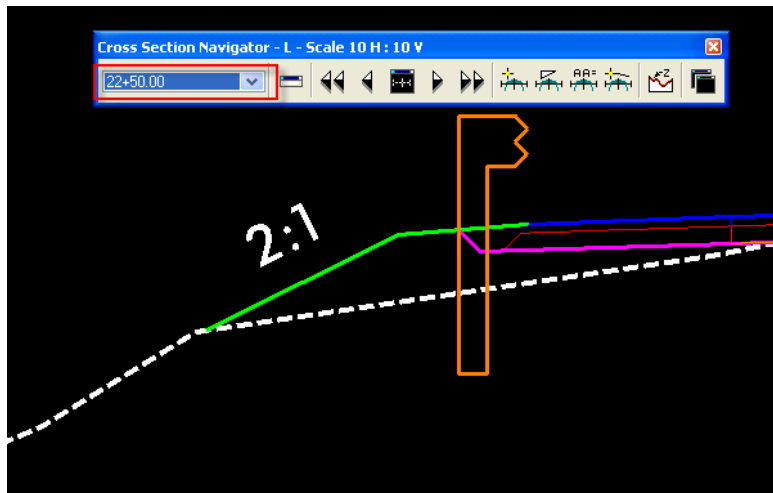
3_3 TEMPLATE DROP INTERVALS (PROPOSED X-SECTIONS NOT TYING TO EXISTING)

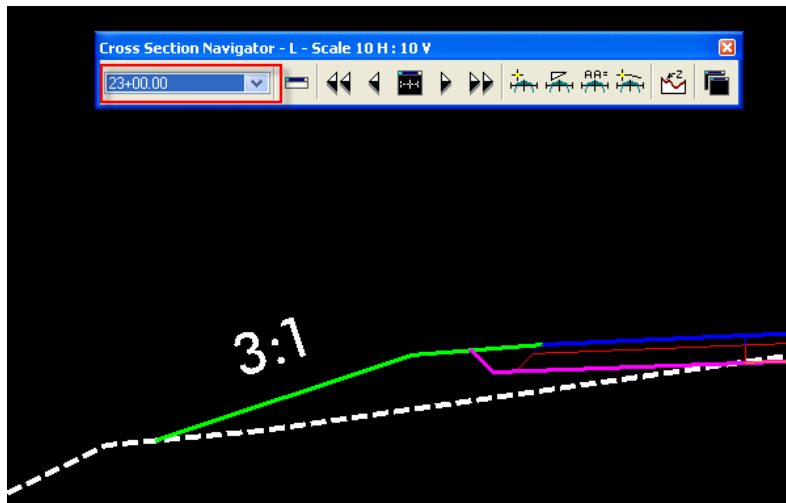
Question:

Why are the slope stake points not tying to the existing ground in my cross sections, causing the earthwork and pavement inputs not to work?

Answer:

Usually this is due to not having a template drop at the station the cross sections were cut. The proposed DTM is an interpolation between template drops. If a cross section is cut between two template drops, then the slope stake may not tie to natural ground because of this straight-line interpolation.





In the above scenario, the template drops were set to 10' intervals while the cross sections were cut at 25' stations. Station 22+50 and 23+00 will tie to natural ground correctly, while station 22+75 will not because there was not a template drop there (interpolating between 22+70 and 22+80). To avoid this interpolation issue, make sure to set the template drop interval to be divisible by the cross section stationing you are planning to cut at. In the above case of 25' cross sections, decrease the template drops interval to 5' or increase it to 25' to make it divisible by 25' cross section stations.

